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[PS] <u>Incorporating invariances in nonlinear support vector machines</u> - <u>group of 10 »</u>   **All articles** <u>Recent articles</u>
O Chapelle, B Scholkopf - Advances in Neural Information Processing Systems, 2001 -
kyb.tuebingen.mpg.de
... that generally one can consider more than one **invariance transformation**. The multi
invariance case is usually a straight ... in [12] to train **invariant** linear SVMs ...
<u>Cited by 21</u> - <u>View as HTML</u> - <u>Web Search</u> - <u>BL Direct</u>

<u>Improving support vector machine classifiers by modifying kernel functions</u> - <u>group of 9 »</u>
S Amari, S Wu - Neural Networks, 1999 - elseviermathematics.com
... n and y i denotes the class index taking a value 1 or 1. A **nonlinear SVM** maps the ...
The metric is Riemannian and rotational **invariant**. ... A conformal **transformation** ...
<u>Cited by 103</u> - <u>View as HTML</u> - <u>Web Search</u> - <u>BL Direct</u>

<u>Conformal **Transformation** of Kernel Functions: A Data-Dependent Way to Improve Support Vector
Machine ...</u> - <u>group of 6 »</u>
S Wu, SI Amari - Neural Processing Letters, 2002 - Springer
... A **nonlinear SVM** maps the input data x into a ... As a result, the conformal **transformation**
uniformly expands ... Burges, CJC: Geometry and **Invariance** in Kernel Based ...
<u>Cited by 12</u> - <u>Web Search</u> - <u>BL Direct</u>

<u>Semi-Supervised Learning through Principal Directions Estimation</u> - <u>group of 5 »</u>
O Chapelle, B Scholkopf, J Weston - Advances in Neural Information Processing Systems, 2003 -
community.techlabs.accenture.com
... on a digit recognition task, the **invariance** transformations in ... kernel PCA is just
a basis **transform** in E, leaving the dot product of training points **invariant**. ...
<u>Cited by 4</u> - <u>View as HTML</u> - <u>Web Search</u>

<u>An information-geometrical method for improving the performance ofsupport vector machine classifiers</u> -
<u>group of 3 »</u>
S Amari, S Wu - Artificial Neural Networks, 1999. ICANN 99. Ninth ..., 1999 - ieeexplore.ieee.org
... taking a value +1 or -1. A **nonlinear SVM** maps the ... The induced metric is Euclidean,
which is translational and rotational **invariant**. ... A conformal **transformation** ...
<u>Cited by 10</u> - <u>Web Search</u> - <u>BL Direct</u>

<u>An efficient SAR ATR approach</u> - <u>group of 2 »</u>
P Han, R Wu, Y Wang, Z Wang - Acoustics, Speech, and Signal Processing, 2003. Proceedings. ..., 2003 - ieeexplore.ieee.org
... Second, Fourier **Transform** (FT) of ... input data due to the shift- **invariance** and symmetric ...
as the target classified directly using **nonlinear SVM** without feature ...
<u>Web Search</u>

<u>Reduction Techniques for Training Support Vector Machines</u> - <u>group of 2 »</u>
K Lin - 2003 - csie.ntu.edu.tw
Page 1. Reduction Techniques for Training Support Vector Machines by
Kuan-ming Lin A dissertation submitted in partial fulfillment ...
<u>Cited by 2</u> - <u>View as HTML</u> - <u>Web Search</u>

<u>Support Vector Machines for Visual Gender Classification</u> - <u>group of 3 »</u>
MH Yang, B Moghaddam - Pattern Recognition, 2000. Proceedings. 15th International ..., 2000 - doi.ieeecs.org
... a degree of robust- ness and relative scale **invariance**. ... computed on the basis of
wavelet **transform**, and the ... ker- nel function in a **nonlinear SVM** projects the ...
<u>Web Search</u> - <u>BL Direct</u>